

Chapter 20

Summary of the Interprovider and Carrier-of-Carriers VPNs Configuration Statement

The following section explains the configuration statement that applies specifically to hierarchical and recursive Border Gateway Protocol (BGP) and Multiprotocol Label Switching (MPLS) virtual private networks (VPNs).

labeled-unicast

Syntax	labeled-unicast { resolve-vpn; }
Hierarchy Level	[edit protocols bgp group <i>group-name</i> family inet]
Description	This statement advertises labeled routes from the inet.0 VPN and places labeled routes into the inet.0 VPN. When the labeled-unicast statement is used, the local router automatically performs a next-hop to self on all routes advertised into the external BGP (EBGP) from the internal BGP (IBGP) and from IBGP to EBGP.
Options	resolve-vpn—(Optional) Stores labeled routes in the inet.3 table to resolve routes for a provider edge (PE) router located in a different autonomous system (AS). For a PE router to install a route in the VPN routing and forwarding table (VRF), the next-hop must resolve to a route stored within the inet.3 table.
Usage Guidelines	See “Interprovider and Carrier-of-Carriers VPNs Configuration Guidelines” on page 307.
Required Privilege Level	routing—To view this statement in the configuration. routing-control—To add this statement to the configuration.

